Instructor:	Sara Edelman-Muñoz	**Time:**	MWF 8:30-9:25 PM CST
Office:	48 Herman Brown Hall	**Zoom Meeting ID:**	On Canvas
Email:	Sara.Edelman-Munoz@rice.edu	**Office Hours:**	M 2:00-3:00 PM CST

Textbook: This class will rely primarily on video lectures and other online material on edge.edx.org. Students will receive an email invitation to register. Make your username your preferred first name followed by last name or last initial. If you do not get an invitation before the second day of class, email me as soon as possible.

No textbook is required, but if you want one for reference purposes, you may use OpenStax Calculus Volume 1, which is available freely online. This course will cover basically all of that book through Section 6.3.

Class and office hours: Class will take place every Monday, Wednesday, and Friday from 8:30-9:25 PM CST over a Zoom room that can be accessed through Canvas. This will be a flipped classroom course, so students are expected to prepare for each class by completing an online learning sequence. Learning sequences are due at 8:00 AM every class day. Since these sequences are necessary for the class activities, late submissions will not be accepted. However, a student's two lowest-scoring sequences will be dropped. There will be in-class activities during every class period, which will count towards a participation grade. Asynchronous students will need to makeup these activities outside of class.

Homework: In addition to learning sequences, there will also be weekly homework assignments. These assignments will be due each Tuesday night at 11:59 PM CST. No late homework will be accepted, barring a major emergency. However, the lowest scoring homework assignment will be dropped.

Collaboration: For the online learning sequences, each student should work alone. Assistance from classmates is limited to asking questions about parts of videos that you did not understand.

For the homework, students are encouraged to discuss problems with each other; however, students should attempt each problem individually before seeking help. If you have worked with others on the online homework, you must make sure that you can re-create all of the necessary work to arrive at an answer on your own, before you submit the answer.

Students are encouraged to come to office hours. Looking up answers online is prohibited. Using outside software (including calculators) is prohibited unless otherwise specified. Do not seek help from internet sites other than the course discussion forum.

Exams:

There will be two midterm exams and one final exam. The tentative midterm exam dates are **Tuesday, Sept 29th at 7:30 PM**, and **Tuesday, October 27th at 7:30 PM**. To accommodate students who are not in the same time zone as Rice, **these exams will also be offered on the same days at 6:00 AM.** If you have a conflict with these dates you must let me know by the end of the second week of class. Otherwise, no excuse other than a documented medical or family emergency will be accepted for missing a midterm exam. **Discussing exam questions with other students is strictly prohibited until all students have taken the exam.**

The date for the final exam is set by the Registrars office and is not available at this time. It is the policy of the Mathematics Department that no final may be given early to accommodate

student travel plans. If you make travel plans that later turn out to conflict with the scheduled exam, then it is your responsibility to either reschedule your travel plans or take a zero on the final.

Grades: Final grades are normalized against all students in this section. Final grades will be calculated using the following percentages:

- 10% Participation
- 10% Leaning sequences
- 15% Written Homework
- 65% Exams

Each student's grade for the Exams portion will be the maximum of the following three ratios:

- Midterm one 20%, Midterm two 20%, Final 25%
- Midterm one 20%, Midterm two 15%, Final 30%
- Midterm one 15%, Midterm two 20%, Final 30%

Learning objectives: Below are the topics that we hope to cover over the course of this class. All of the chapters mentioned are from Openstax Calculus Vol. 1:
Chapter 2: Define and understand limits
Ch. 3: Define and understand derivatives. Learn basic rules for computing derivatives.
Ch. 4: Learn uses of derivatives and limits for solving other problems, such as finding minima and maxima, and linear approximation. Learn techniques for computing limits. Define antiderivatives
Ch. 5: Define integrals. Fundamental theorem of calculus. Learn for computing integrals.
Ch. 6: Learn about the area between curves and the volumes of revolution. Learn shell and washer method.

Disability Support: Any student with a disability seeking academic accommodations should contact me during the first week of class. All such discussions will remain confidential. Students with disabilities should also contact Disability Support Services in the Allen Center.

Diversity and Inclusion: The Dept of Mathematics supports an inclusive learning environment where diversity and individual differences are understood, respected, and recognized as a source of strength. Racism, discrimination, harassment, and bullying will not be tolerated. We expect all participants in mathematics courses (students and faculty alike) to treat each other with courtesy and respect, and to adhere to the mathematics department standards of collegiality, respect, and sensitivity included here: https://mathweb.rice.edu/department-statement-collegiality-respect-and-sensitivity as well as the Rice Student Code of Conduct. If you think you have experienced or witnessed unprofessional or antagonistic behavior, then the matter should be brought to the attention of the instructor and/or department chair. The Ombudsperson is also available as an intermediate, informal option, and contacting them will not necessarily trigger a formal inquiry.

Title IX:

Rice University cares about your wellbeing and safety. Rice encourages any student who has experienced an incident of harassment, pregnancy discrimination or gender discrimination or relationship, sexual, or other forms interpersonal violence to seek support through The SAFE Office. Students should be aware when seeking support on campus that most employees, including myself, as the instructor/TA, are required by Title IX to disclose all incidents of non-consensual interpersonal behaviors to Title IX professionals on campus who can act to support that student and meet their needs. For more information, please visit safe.rice.edu or email titleixsupport@rice.edu.